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United States Department of Agriculture,

WASHINGTON, D. C., July 31, 1919.

MONTHLY LIST OF PUBLICATIONS.

[JULY, 1919.]

READ CAREFULLY BEFORE ORDERING.

Send no remittances to the U. S. Department of Agriculture.

A copy of any of the publications listed herein, except those otherwise noted, may be obtained free upon application to the Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts.

After this department's supply is exhausted, publications can still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices noted herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

FARMERS' BULLETINS—FOR FREE DISTRIBUTION.

NOTE.—The department's supply of the current numbers of Farmers' Bulletins is ordinarily sufficient to make it possible to send them free to all applicants. They are also for sale at 5 cents per copy.

Alfalfa on Corn-Belt Farms. By J. A. Drake, Agriculturist, J. C. Rundles, Scientific Assistant, and Ralph D. Jennings, Scientific Assistant. Pp. 32, figs. 16. Contribution from the Office of Farm Management. (Farmers' Bulletin 1021.)

This bulletin tells how the more successful Corn-Belt growers fit alfalfa into their cropping systems without interfering seriously with labor schedules.

Commercial Comb-Honey Production. By Geo. S. Demuth, Apicultural Assistant, Bee-culture Investigations. Pp. 40, figs. 14. Contribution from the Bureau of Entomology. (Farmers' Bulletin 1039.)

A revision of Farmers' Bulletin 503, and of interest to all commercial beekeepers.

Dry Farming for Better Wheat Yields. The Columbia and Snake River Basins. By Byron Hunter, Agriculturist. Pp. 24, figs. 18. Contribution from the Office of Farm Management and the Bureau of Plant Industry. (Farmers' Bulletin 1047.)

This bulletin deals in particular with the dry-farming methods practiced on grain farms in the Pacific Northwest where the rainfall is less than 18 to 20 inches annually, but it also contains advice helpful to all farmers of that region who practice summer fallowing.

Baling Hay. By H. B. McClure, Agronomist. Pp. 35, figs. 8. Contribution from the Office of Farm Management. (Farmers' Bulletin 1049.)

This bulletin aims to help the hay grower solve some of the problems that arise in connection with baling hay: to decide whether to buy a press or depend on custom balers, to select the type of press best suited to his needs if he buys, and to settle to best advantage questions in farm practice that determine efficiency in the setting and operation of a hay press.

DEPARTMENTAL BULLETINS—TECHNICAL.

The publications listed below are technical or scientific treatises or bulletins applying to a special industry or locality. The edition is limited, but they will be furnished free to persons who can use such specialized information, as long as the supply lasts. However, to insure prompt receipt, remit price to the Superintendent of Documents.

The Relation of the Shrinkage and Strength Properties of Wood to Its Specific Gravity. By J. A. Newlin, in Charge, Section of Timber Mechanics, and T. R. C. Wilson, Engineer in Forest Products. Pp. 35, figs. 7. Contribution from the Forest Service. (Professional Paper.) July 16, 1919. (Department Bulletin 676.) Price, 10 cents.

Of interest to mechanical engineers generally.

Inheritance of the Waxy Endosperm in Maize. By J. H. Kempton, Assistant in Crop Acclimatization. Pp. 99, figs. 14. Contribution from the Bureau of Plant Industry. (Professional Paper.) June 26, 1919. (Department Bulletin 754.) Price, 15 cents.

Of interest to breeders of crop plants.

Factors Influencing the Carrying Qualities of American Export Corn. By E. G. Boerner, Grain Supervisor. Pp. 99, figs. 72. Contribution from the Bureau of Markets. (Professional Paper.) July 5, 1919. (Department Bulletin 764.) Price, 20 cents.

Results of experiments carried on to determine the reasons for the spoiling of corn during shipment to Europe.

A Study of Compsilura Concinnata, an Imported Tachinid Parasite of the Gipsy Moth and the Brown-Tail Moth. By Julian J. Culver, Entomological Assistant, Gipsy Moth and Brown-Tail Moth Investigations. Pp. 27, pl. 1, figs. 10, map. Contribution from the Bureau of Entomology. (Professional Paper.) July 10, 1919. (Department Bulletin 766.) Price, 10 cents.

Describes results obtained by the introduction of this parasite, and its value as a preventative of the spread of the gipsy and brown-tail moth.

Fattening Steers on Summer Pasture in the South. By W. F. Ward, Dan. T. Gray, and E. R. Lloyd. Pp. 24, fig. 1. Contribution from the Bureau of Animal Industry. July 10, 1919. (Department Bulletin 777.) Price, 5 cents.

Of interest to producers of beef in the South where pasture is largely depended upon for feed.

The Rice Moth. By F. W. Chittenden, Entomologist in Charge of Truck-Crop Insect Investigations. Pp. 15, pls. 5, figs. 2. Contribution from the Bureau of Entomology. (Professional Paper.) July 14, 1919. (Department Bulletin 783.) Price, 10 cents.

Describes this insect enemy of stored rice and suggests methods for its control.

Report of Storage Holdings of Certain Food Products During 1918. By John O. Bell, Assistant in Market Surveys. Pp. 80, figs. 40. Contribution from the Bureau of Markets. July 25, 1919. (Department Bulletin 792.)

Covers frozen meats, cured meats and lard, frozen fish, cured herring, and mild cured salmon.

Lead Poisoning in Waterfowl. By Alexander Wetmore, Assistant Biologist. Pp. 12, pls. 2. Contribution from the Bureau of Biological Survey. (Professional Paper.) July 31, 1919. (Department Bulletin 793.) Price, 5 cents.

This bulletin is a report of studies made of a serious malady among ducks and other water fowl in the United States. It is for the information of sportsmen, naturalists, and others interested in game birds.

The Adulteration of Insect Powder with Powdered Daisy Flowers (*Chrysanthemum Leucanthemum* L.). By R. C. Roark and G. L. Keenan. Pp. 12, pls. 2, fig. 1. Contribution from the Bureau of Chemistry. (Professional Paper.) July 28, 1919. (Department Bulletin 795.)

Of interest to chemists generally.

MISCELLANEOUS.

Yearbook of the U. S. Department of Agriculture for 1918. Pp. 760, pls. 62, figs. 34. Price, 85 cents.

This Yearbook contains the annual report of the Secretary, 73 pages; 28 miscellaneous articles, 441 pages; an appendix, 218 pages; an index, 84 pages. Only 30,000 out of the 500,000 edition are allotted to the Department, and this amount is insuffi-

cient to supply its agents, correspondents, and employees. The remainder of the edition is allotted to Senators, Representatives, and Delegates in Congress, and applicants, other than persons connected with the Department, are therefore advised that the publication can not be furnished to them by the Department. The Superintendent of Documents, Government Printing Office, Washington, D. C., has it for sale at 85 cents per copy.

Suggestions for the Marketing of Cottage Cheese. By Delos L. James. Pp. 14, figs. 12. Contribution from the Bureau of Animal Industry. June, 1919. (Department Circular 1.)

Out-of-Door Playgrounds of the San Isabel National Forest. Pp. 19, il. Contribution from the Forest Service. (Department Circular 5.)

A Summer Vacation in the Sopsris National Forest. Pp. 15, il. Contribution from the Forest Service. (Department Circular 6.)

Arbor Day. Pp. 23, il. Contribution from the Forest Service. June, 1919. (Department Circular 8.)

Vacation Trips in the Holy Cross National Forest. Pp. 15, il. Contribution from the Forest Service. (Department Circular 29.)

Outdoor Life in the Colorado National Forest. Pp. 19, il. Contribution from the Forest Service. (Department Circular 34.)

Red Top. By Lyman Carrier, Agronomist. Pp. 2. Contribution from the Bureau of Plant Industry. 1919. (Department Circular 43.)

Italian Rye-Grass. By Lyman Carrier, Agronomist. Pp. 2. Contribution from the Bureau of Plant Industry. 1919. (Department Circular 44.)

Para Grass. By S. M. Tracy, Agronomist. Pp. 2. Contribution from the Bureau of Plant Industry. 1919. (Department Circular 45.)

Points for Poultry Packers. No. 4. How to Wrap Heads. Contribution from the Bureau of Chemistry. 1919. (Department Circular 52.)

SERIALS.

Journal of Agricultural Research. (For sale only.) Vol. 17, No. 3. June 10, 1919. Contents: Relation of Sulphates to Plant Growth and Composition. (rw Oreg-4) By H. G. Miller.—Relation of Weather to Fruitfulness in the Plum. (ru Minn-38) By M. J. Dorsey.—Structure of the Maize Ear as Indicated in Zea-Euchlaena Hybrids. (rx G-175) By G. N. Collins. Pp. 87-135, pls. 10. Price, 25 cents.

Same, Vol. 13, No. 13. June 24, 1918. 1919. Contents and Index of Volume 13. Price, 5 cents.

NOTE.—Volumes 1 to 4 of the Journal of Agricultural Research were published monthly, volumes 5 to 16 weekly, and volume 17 is being issued monthly. The Journal is distributed free only to the libraries of agricultural colleges and experiment stations, to large universities, technical schools, and such institutions as make suitable exchanges with the department. It will not be sent free to individuals. The Superintendent of Documents will receive subscriptions for this publication, the price being \$1.50 per year for domestic circulation and \$2 for foreign circulation.

The Monthly Crop Report. Vol. 5, No. 7. July, 1919. Pp. 61-72. (Bureau of Crop Estimates.)

Contains data relating to agriculture, including estimates of acreage, conditions, yield, prices, and value of crops and live stock. For free distribution.

SERVICE AND REGULATORY ANNOUNCEMENTS—FOR SALE ONLY.

NOTE. These contain *only* information, instructions, and notices governing the enforcement of the food and drugs act, meat inspection, 28-hour, and quarantine laws, and the various regulations of the department. Issued monthly by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by same. Others desiring copies are respectfully referred to the Superintendent of Documents, Government Printing Office, who has them for sale *only*, at prices noted.

Bureau of Animal Industry. No. 145. May, 1919. Pp. 47-57. July 3, 1919. Price, 5 cents.

Bureau of Animal Industry. No. 146. June, 1919. Pp. 59-67. July 21, 1919. Price, 5 cents.

Biological Survey. No. 28. Regulations for the protection of game in certain localities in Alaska. Pp. 3. July 12, 1919. Price, 5 cents.



Federal Horticultural Board. No. 63. May, 1919. Pp. 65-75. July 25, 1919. Price, 5 cents.

Bureau of Markets. No. 56. Pp. 6. July 7, 1919. Price, 5 cents.

SOIL SURVEYS.

²²⁷All requests for soil surveys are referred to the Bureau of Soils for attention, the distribution of same being controlled by that bureau.

Soil Survey of Caldwell County, North Carolina. By W. B. Cobb, of the U. S. Department of Agriculture, and S. F. Davidson, of the North Carolina Department of Agriculture. Pp. 29, fig. 1. map. (From F. O. Soils, 1917.) Price, 15 cents.

PUBLICATIONS OF THE WEATHER BUREAU.

²²⁸Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Report of the Chief of the Weather Bureau, 1917-1918. [1919.] Pp. 292. Price, 65 cents. Cloth binding.

Monthly Weather Review. Vol. 47, No. 4. April, 1919. Pp. 205-278, figs. 37, Charts 9. Price, 25 cents per copy, \$2.50 per year, payable to the Superintendent of Documents.

Special Articles: Aerological work of the Weather Bureau during the war. By W. R. Gregg.—Some scientific aspects of the meteorological work of the Signal Corps. By R. A. Millikan.—The Military meteorological service in the United States during the war. By B. J. Sherry and A. T. Waterman.—A two-theodolite plotting board. By W. C. Haines and R. A. Wells.—Some observed irregular vertical movements of pilot balloons. By I. R. Tannehill.—The work of the Aerographic Section of the Navy. By A. McAuley.—Blue Hill methods of pilot ballooning. By I. Mall.—British pilot-balloon methods: The Shochuryness system.—A free-balloon flight in the north-east quadrant of an intense cyclone. By C. L. Leik. Meisinger.—Weather conditions during some notable airship voyages.—Hot Winds at Tampico, Mexico, April 6 and 7, 1919. By S. A. Grogan.—Tornadoes in eastern Nebraska, April 6, 1919. By G. A. Loveland.—Tornado in southern Alabama, March 5, 1919. By T. H. Smyth.—The larger relations of climate and crops in the United States. By R. DeC. Ward.—The meteorological activities of the late Prof. Edward C. Pickering. By R. DeC. Ward.

National Weather and Crop Bulletin. Nos. 15, 16, 17, 18, 19, July, 1919, reporting temperature, rainfall, and crop conditions throughout the United States. Issued weekly on Wednesdays, April to October; monthly remainder of year. Price, 25 cents a year.

EDWY B. REID,
Chief, Division of Publications.